

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada? Yes No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

N/A

Exhibit No.

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.
Figure 5

and Figure 2

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ (separation requirements involving intermediate frequency (i.f.) interference).

Exhibit No.
Figure 5

23.(a) Is the proposed operation on Channel 218, 219, or 220?

Yes No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

Yes No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.
Figure 6

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.

N/A

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

- (e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

N/A

Exhibit No. []

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

Yes No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No.
Figures 7,8

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

Yes No

If Yes, attach as an Exhibit information required in 1/. (Except for Class D (secondary) proposals.)

Exhibit No. []

26. Environmental Statement (See 47 C.F.R. Section 1.1307 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

Yes No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No. []

If No, explain briefly why not.

See Engineering Statement

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed) Donald E. Mussell Jr. NCE	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer
Signature 	Address (Include ZIP Code) 1230 Warren Drive Bonny Doon, CA 95060
Date March 14, 1994	Telephone No. (Include Area Code) (408) 457-8098

INTRODUCTION

This engineering statement, along with Section V-B of FCC Form 340 to which it is attached, furnishes technical data in support of an application by 'Pataphysical Broadcasting Foundation, Inc., to construct a new, non-commercial educational broadcast station at San Ardo, California.

The instant application proposes to utilize an existing support structure atop Williams Hill, 9.9 km southwest of San Ardo. The instant application proposes to utilize an antenna height of 542.7 meters above average terrain, 889 meters above mean sea level, and a vertically polarized non-directional antenna with an effective radiated power of 2.7 kilowatts.

All calculations, contours and other technical information contained in this statement have been determined in accordance with the existing rules of the Federal Communications Commission.

ALLOCATION CONSIDERATIONS

Figure 5, along with Figure 2, presents the result of a detailed channel allocation and interference study. These exhibits demonstrate that the use of Channel 219B with the facilities proposed at the location proposed meet all separation requirements with respect to all known existing and proposed broadcast stations.

Figure 6 demonstrates compliance with section 73.207 (FCC Rules), and meets all separation requirements as defined by this section.

As demonstrated in Figure 5, the proposed location meets the Commission's minimum distance requirements for stations 53 or 54 channels removed. The proposed facilities will not cause interference to, nor will they receive interference from any other existing or proposed facilities.

ELEVATION AND CONTOUR DATA

The average elevations from three to sixteen kilometers from the proposed site were derived using a linearly interpolated 30 second database, using data sourced from the N.G.D.C. The calculation of average terrain was computed utilizing 8 radials evenly spaced in accordance with 47 C.F.R 73.313 of the FCC rules. Figure 4 is a tabulation of average elevations, effective antenna heights and distances to the 60 dBu FCC 50/50 contour.

CHANNEL 6 INTERFERENCE STUDY

In accordance with Section 73.525(a)(1) of the commission's rules, a study was conducted to determine whether the proposed facilities would affect any existing or proposed Channel 6 operations. The closest known Channel 6 operation is:

KSBY-TV Ch 6+ San Luis Obispo, CA.....72.72 Kilometers

The KSBY 47 dBu contour extends 124 kilometers towards the proposed transmitter site. The proposed transmitter site is 51.3 kilometers inside of the KSBY-TV 47 dbu contour. The proposed interference zone extends 3.8 kilometers in the direction of KSBY, and the resulting interference zone is shown in Figure 7. The applicant utilized the standard Dataworld "FMTV6" program to determine the extent of predicted interference and the resultant population that would be affected by this proposal. The results of this study are attached as Figure 8. The resulting "affected" population totals 19 persons. As this figure is less than the maximum population stipulated in Section 73.525(c), the proposal is substantially in compliance with this section.

According to 73.525(a)(1), for Channel 219 operations, 159 Kilometers is the cut-off for Channel 6 operations to be considered "affected". As there are no other Channel 6 operations within 159 Kilometers of the proposed facility transmitter site it is believed that the facilities proposed in the instant application are in compliance with all aspects of Section 73.525 of the FCC Rules.

AERONAUTICAL AND ENVIRONMENTAL IMPACT CONSIDERATIONS

The proposed antenna will be side mounted on an existing tower, at Williams Hill, Monterey County, California. The lookout tower is 52 meters overall above ground, and 904 meters overall above mean sea level. The proposed 2-Bay Vertically polarized antenna will be side-mounted at 37 meters above ground, 889 meters above mean seal level. The ground elevation at the base of the tower is 852 meters above mean sea level.

The nearest Airfield is the San Ardo Landing Strip, located 10 kilometers north @ 40 degrees true.

According to information supplied by the applicant, the proposed site is not a subject of controversy on environmental grounds. The site is not believed to be near any official designated wilderness area, wildlife preserve, or any culturally, historically, architecturally or archaeologically significant feature.

The site is not located in a floodplain, and no change in the character of the site is proposed as a part of the construction. No change in grade or land surface is proposed. The site will experience little or no change in human presence as a result of the proposed construction.

NON-IONIZING RADIATION CALCULATIONS

In accordance with section 1.1307(b) of the Commission's rules, an assessment was made of the proposed facility's radio frequency radiation levels. Table 1 of OST Bulletin No.65, dated October 1985 was utilized to determine that the proposed facility would not exceed any standards for radio frequency radiation as defined by ANSI C95.1-1982.

The applicant is proposing to utilize an existing Tower atop Williams Hill. The proposed location is an established electronic site, which includes a broadcast facility (KRKC-FM). An analysis was performed of proposed facility at the site using the outline given in OST Bulletin 65 dated October, 1985.

The analysis was performed by making certain assumptions, then calculating the power density at a height of two meters, which represents the height of an average person, then finding the percentage of the allowable level.

The following assumptions were made for the analysis of RF at the site:

1. All FM Radio and Television facilities within 60 meters of the tower are included in the calculations;
2. All radiation is considered circularly polarized, except for those emissions that are known to be vertical only;
3. Worst case downward radiation was used.

Figure 1 below give the results of this analysis and clearly demonstrates that the addition of the proposed facility will not pose an additional radiation hazard.

FIGURE 1

<u>STATION</u>	<u>HEIGHT</u>	<u>POWER</u>	<u>MW/SQ.CM LIMIT</u>	<u>PERCENTAGE</u>
Proposed	37 meters	2.7 kW	0.0368	1.000
KRKC-FM	47 Meters	2.6 kW	0.0531	1.000
TOTAL:				8.989 %

The total radiation is 8.989 % of the ANSI limit. Thus, the addition of the new proposal to the site will present no significant additional radiation hazard.

The applicant will, in coordination with the other users of the site, reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radio frequency radiation in excess of FCC guidelines.

ELECTROMAGNETIC COMPATIBILITY AND BLANKETING

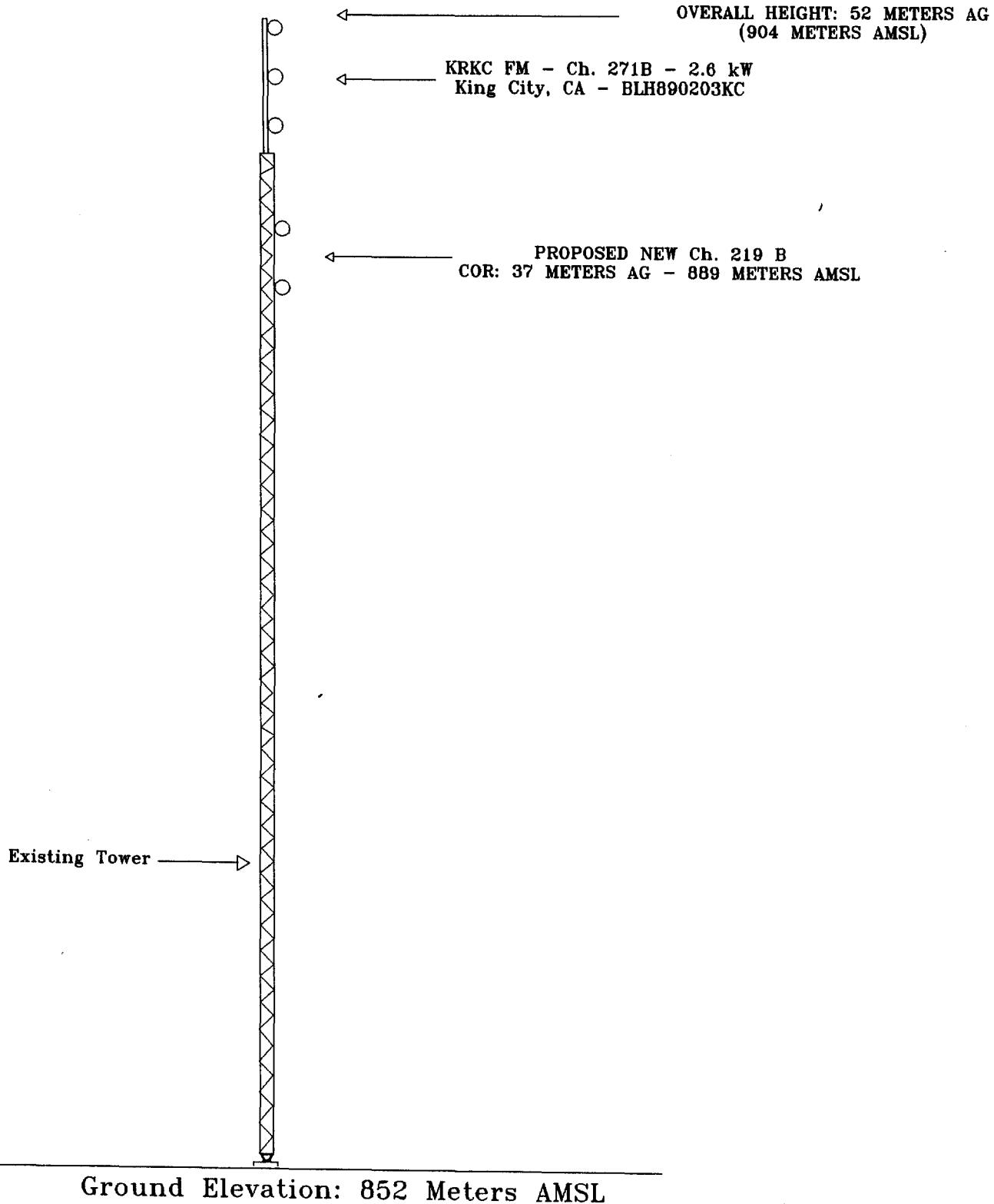
There are no additional broadcast facilities located within 60 meters of the proposed transmitting site. No adverse interaction is expected to occur between the proposed facility and any other existing or proposed facilities. Applicant acknowledges its responsibility to correct any problems caused by intermodulation interference resulting from its proposed operation of Channel 219B and certifies that it will assume full financial responsibility for resolving any interference related problems.

The 115 dBu blanketing contour extends .65 km from the proposed site covering an area that has no permanent population. Should any blanketing interference arise, the applicant will work to solve the problem in an expedient manner and will take full financial responsibility for the resolution of all complaints for a period of one year following commencement of program tests. After the first year, applicant will continue to provide technical information and assistance to any complainants. No specific procedure is proposed as each case will be handled as the circumstances dictate.

Respectfully Submitted,
Broadcast Engineering Services



Donald E. Mussell Jr. NCE
March 14, 1994

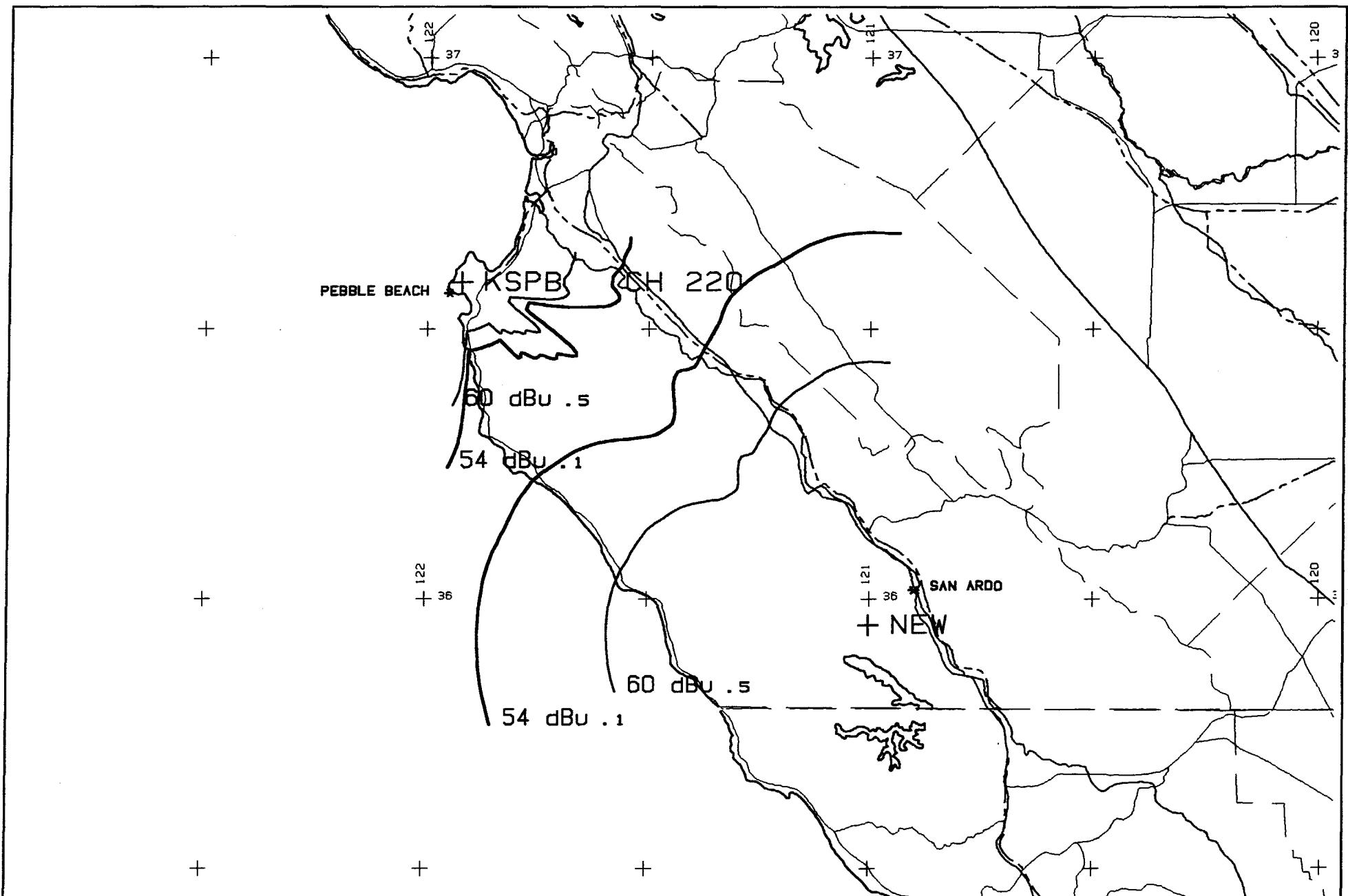


Williams Hill Electronic Site

North 35° 57' 06"
West 121° 00' 03"

Drawing Not to Scale

FIGURE 1 - VERTICAL SKETCH
Proposed Antenna System
NEW Ch. 219B
2.7 kW Vertical Polarization
'Pataphysical Broadcasting
Foundation, Inc.
San Ardo, California

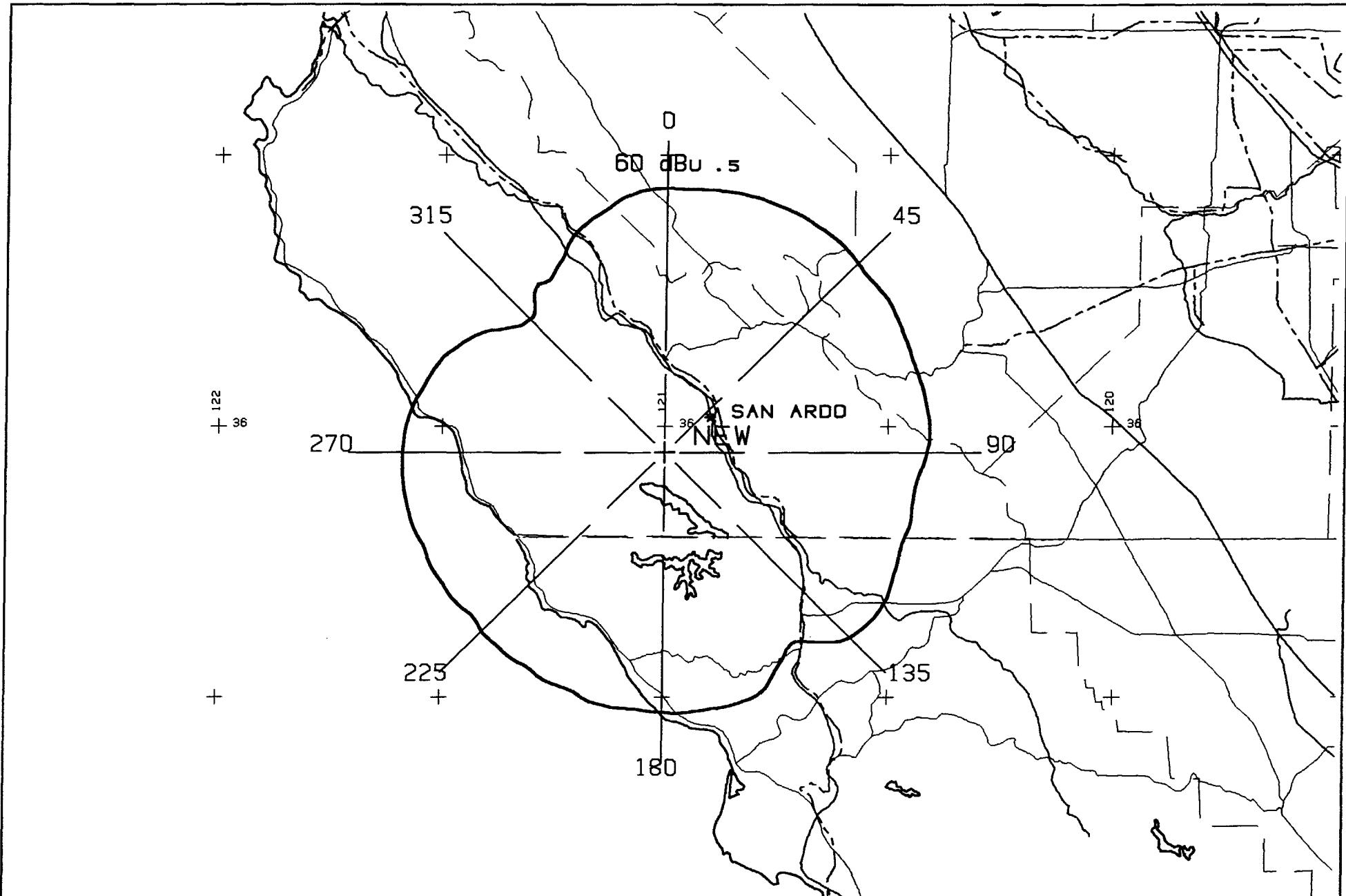


Scale in km

0	10	20	30	40	50	60	70
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PROPOSED NEW 219B 2.7kW VERTICAL
KSPB BLED830701AF 220A 1kW

FIGURE 2
San Ardo, California



Scale in km

0	10	20	30	40	50	60	70
---	----	----	----	----	----	----	----

PROPOSED NEW 219B 2.7kW VERTICAL
N. Lat. 35 57 06 W. Lng. 121 00 03

FIGURE 3
60 DBU CONTOUR

FIGURE 4
ELEVATION AND CONTOUR TABULATIONS
PROPOSED NEW Ch. 219B
SAN ARDO, CALIFORNIA

ERP = 2.7 kW
FM - 2-6 Tables

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) 60 dBu Contour Distance to km
0	294.0	595.0	4.314	54.1
45	269.6	619.4	4.314	55.0
90	321.4	567.6	4.314	53.0
135	306.6	582.4	4.314	53.6
180	316.5	572.5	4.314	53.2
225	347.3	541.7	4.314	51.7
270	320.8	568.2	4.314	53.0
315	594.5	294.5	4.314	38.6
<hr/>		Ave. = 346.3 M	542.7 M	

Antenna Radiation Center AMSL = 889.0 M

Geographic Coordinates:

North latitude: 35 57 06
West longitude: 121 00 03

CH# 219B - 91.7 MHz

FIGURE 5 - ALLOCATION STUDY TABULATIONS

INTERFERENCE CHECKS WITH NEW, SAN ARDO, CA at N. LAT. 35 57 06 W. LNG. 121 00 03

PWR = 2.7 kW H.A.A.T. = 542.7 M C.O.R. = 889 M AMSL

Protected F(50-50) 60 dBu = 51.76 km

F(50-10)	40 dBu = 126.87	54 dBu = 77.56	80 dBu = 17.93	100 dBu = 3.34
F(50-10)	37 dBu = 138.33	51 dBu = 86.59	77 dBu = 21.88	97 dBu = 4.52
F(50-10)	34 dBu = 149.97	48 dBu = 96.63	74 dBu = 26.23	94 dBu = 6.04

CH#	CALL	TYPE	* IN *	* OUT *	BEARING	DISTANCE	LAT.	PWR(kW)	INT(km)	PRO(km)
CITY		STATE	LICENSEE		<---		LNG.	HAAT(M)	COR(M)	FILE #
217A	KCPR	LI CN	22.7	46.3	157.7	78.19 km	35 17 58	2.00	3.74	12.00
San Luis Obispo		CA California State Polytechn	337.7		48.59 Mi	120 40 26		-107.0	158	BLED1467
218B	KSJV	LI CN	71.6	70.3	67.6	199.90 km	36 38 15	16.00	76.54	52.00
Fresno		CA Radio Bilingue, Inc.	247.6		124.21 Mi	118 56 35		265.0	1608	BLED800806AB
218B1	KKUP	LI CN	43.1	36.0	329.6	149.15 km	37 06 40	0.20	54.28	35.62
Cupertino		CA Assurance Science Foundati	149.6		92.68 Mi	121 50 36		787.0	1180	BLED831114AD
219B1	KALW	LI CN	93.5	76.1	327.2	237.99 km	37 45 17	1.90	92.76	35.07
San Francisco		CA San Francisco Unified Scho	147.2		147.88 Mi	122 26 44		280.0	310	BLED1644
219B	KXSR	LI DCN	52.3	44.9	21.2	219.29 km	37 47 38	6.90	115.20	47.52
Groveland		CA California State Universit	201.2		136.26 Mi	120 06 40		313.0	1189	BLED920430KA
220A	KCSS	LI CN	114.6	91.4	4.2	175.22 km	37 31 35	0.15	8.91	6.24
Turlock		CA California State Universit	184.2		108.88 Mi	120 51 25		15.0	48	BLED920413KA
220B	KCSBFM	LI CN	60.4	58.3	149.0	184.53 km	34 31 31	0.62	72.33	48.64
Santa Barbara		CA University of California	329.0		114.66 Mi	119 57 29		879.0	1239	BLED840928DF
220A	KSPB *	LI CN	44.6	33.1	310.4	108.72 km	36 35 11	1.00	24.59	16.13
Pebble Beach		CA Robert Louis Stevenson Sch	130.4		67.56 Mi	121 55 21		78.9*	245	BLED830701AF
> Reference HAAT at 310.4 degrees = 315.9 M, Pwr.= 2.7 kW, Pro. contour = 39.54 km, Int. contour = 59.5 km										
221B1	KXMX	LI CN	77.7	76.3	37.6	142.01 km	36 57 58	25.00	12.55	43.84
Madera		CA Madera Broadcasting, Inc.	217.6		88.24 Mi	120 02 06		95.0	179	BLH890123KB
221B1	DE221	DE	77.4	75.4	37.6	142.01 km	36 57 58	25.00	12.86	44.73
Madera		CA Madera Broadcasting, Inc.	217.6		88.24 Mi	120 02 06		100.0	0	RM7121
221B1	AD221	AD	98.5	96.5	48.2	163.10 km	36 55 50	25.00	12.86	44.73
Clovis		CA Madera Broadcasting, Inc.	228.2		101.35 Mi	119 38 38		100.0	0	RM7121
FCC Comment > Site Restricted 12.9 km North										
222B	KSJO	LI CN	98.2	85.8	333.6	155.80 km	37 12 33	50.00	5.81	63.95
San Jose		CA Narragansett B/Cting Co. o	153.6		96.81 Mi	121 46 30		142.0	401	BLH891031KD

i.f. RELATIONSHIPS:

CH#	CALL	TYPE	* IN *	* OUT *	BEARING	DISTANCE	LAT.	PWR(kW)	INT(km)	PRO(km)
CITY		STATE	LICENSEE		<---		LNG.	HAAT(M)	COR(M)	FILE #
273B	KDONFM	LI CN	20.0 R	79.8 M	333.3	99.82 km	36 45 20	18.50	7.82	92.11
Salinas		CA	Henry Broadcasting Company		153.3	62.03 Mi	121 30 00		692.0	832 BLH7487
273B	KDONFM	CP CN	20.0 R	80.0 M	333.3	99.96 km	36 45 23	18.50	7.82	92.11
Salinas		CA	Henry Broadcasting Company		153.3	62.11 Mi	121 30 05		692.0	987 BPH860813IC
FCC Comment > GRANDFATHERED AT 18.5KW @ 692M HAAT-Cp Cancelled 921028										

- Nearest CH 6 Grade B -KSBY at-51.3 km

* Uses actual antenna radial HAAT and power toward reference

03-11-1994

Broadcast Engineering Services

(408) 457-8098

CH# 219B - 91.7 MHz

FIGURE 6 - COMMERCIAL SEPARATION SHOWING

INTERFERENCE CHECKS WITH NEW, SAN ARDO, CA at N. LAT. 35 57 06 W. LNG. 121 00 03

PWR = 2.7 kW H.A.A.T. = 542.7 M C.O.R. = 889 M AMSL

Protected F(50-50) 60 dBu = 51.76 km

F(50-10)	40 dBu = 126.87	54 dBu = 77.56	80 dBu = 17.93	100 dBu = 3.34
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i.f. RELATIONSHIPS:

CH# CITY	CALL STATE	TYPE LICENSEE	* IN *	* OUT *	BEARING <---	DISTANCE	LAT.	PWR(kW)	INT(km)	PRO(km)
							LNG.	HAAT(M)	COR(M)	FILE #
273B Salinas	KDONFM CA	LI CN Henry Broadcasting Company	20.0 R	79.8 M	333.3	99.82 km 62.03 Mi	36 45 20 121 30 00	18.50	7.82	92.11
273B Salinas	KDONFM CA	CP CN Henry Broadcasting Company	20.0 R	80.0 M	333.3	99.96 km 62.11 Mi	36 45 23 121 30 05	18.50	7.82	92.11
FCC Comment > GRANDFATHERED AT 18.5KW @ 692M HAAT-Cp Cancelled 921028										

- Nearest CH 6 Grade B =KSBY at-51.3 km

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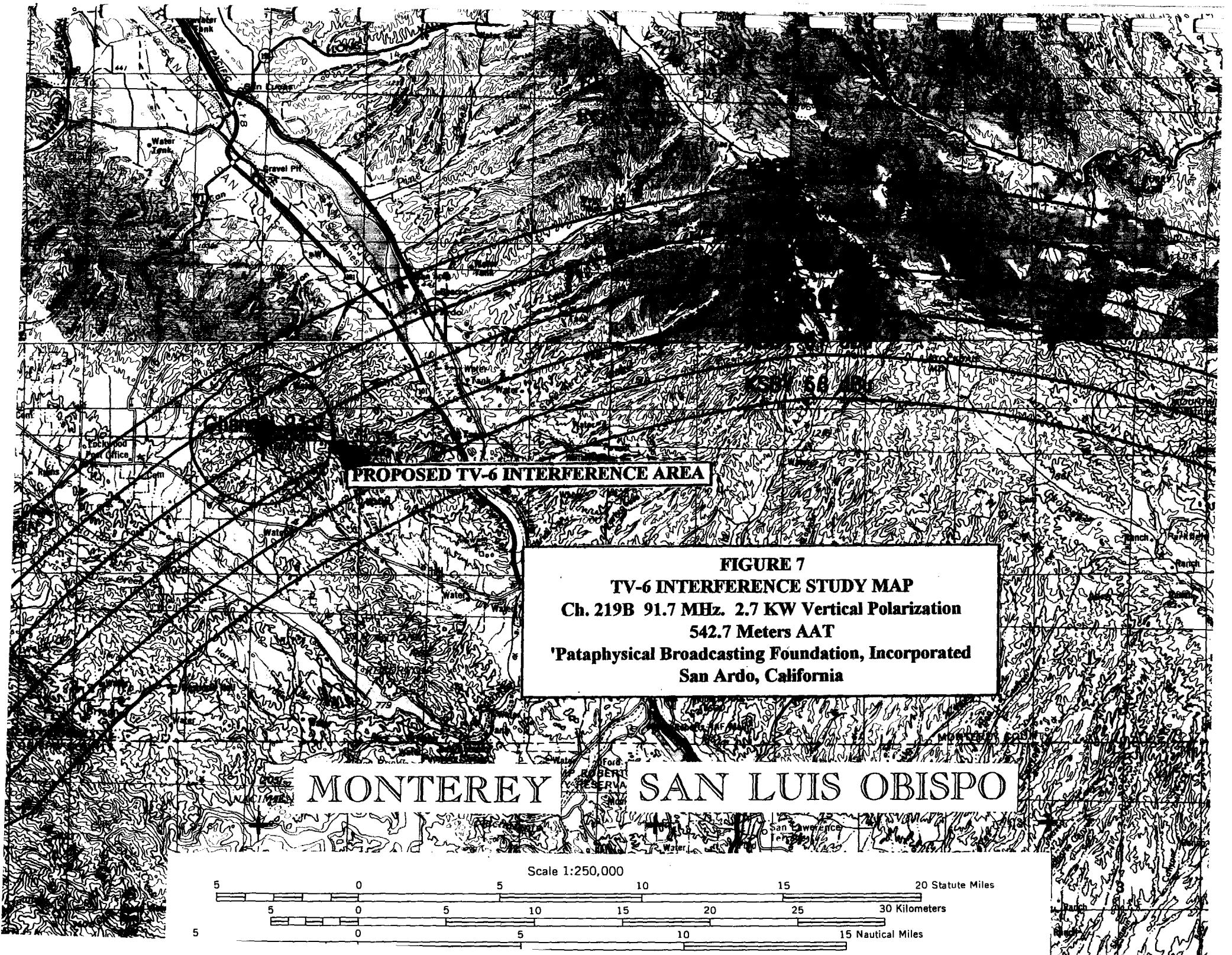


FIGURE 8
Channel 6 Interference Study Tabulations

Page 1
 March 10, 1994

'Pataphysical Broadcasting Foundation, Inc.

Educational FM/TV Channel 6 Interference area

Interference
 Site
 Lat 35-57-06
 Lon 121-00-03

----- KSBY Channel 6 -----
 C/R 543 m AAT
 Latitude: 35-21-37
 Longitude: 120-39-17

----- Proposed Ch. 219 -----
 C/R 546 m AAT
 Latitude: 35-57-06
 Longitude: 121-00-03

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	HaaT (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	HaaT (m)	ERP (kW)	F.S. (dBu)
.0	4.2	336.0	76.6	469	100	63.4	18.3	.0	4.24	595	.07	81.8
1.0	4.2	336.1	76.5	469	100	63.4	18.3	1.0	4.24	596	.07	81.8
2.0	4.2	336.1	76.5	469	100	63.5	18.3	2.0	4.24	597	.07	81.8
3.0	4.2	336.2	76.5	469	100	63.5	18.3	3.0	4.24	597	.07	81.8
4.0	4.2	336.2	76.4	469	100	63.5	18.3	4.0	4.24	598	.07	81.8
5.0	4.2	336.3	76.4	469	100	63.5	18.3	5.0	4.24	599	.07	81.8
6.0	4.2	336.3	76.4	469	100	63.5	18.3	6.0	4.24	600	.07	81.8
7.0	4.2	336.4	76.3	469	100	63.5	18.3	7.0	4.24	601	.07	81.8
8.0	4.2	336.4	76.3	469	100	63.5	18.2	8.0	4.24	602	.07	81.8
9.0	4.2	336.5	76.2	469	100	63.6	18.2	9.0	4.24	603	.07	81.8
10.0	4.2	336.5	76.2	469	100	63.6	18.2	10.0	4.24	603	.07	81.8
11.0	4.2	336.6	76.2	469	100	63.6	18.2	11.0	4.24	604	.07	81.8
12.0	4.2	336.6	76.1	469	100	63.6	18.2	12.0	4.24	605	.07	81.8
13.0	4.2	336.7	76.1	469	100	63.6	18.2	13.0	4.24	606	.07	81.8
14.0	4.2	336.7	76.0	469	100	63.6	18.2	14.0	4.23	607	.07	81.8
15.0	4.2	336.7	76.0	469	100	63.7	18.2	15.0	4.23	608	.07	81.8
16.0	4.2	336.8	75.9	469	100	63.7	18.1	16.0	4.23	609	.07	81.8
17.0	4.2	336.8	75.9	469	100	63.7	18.1	17.0	4.23	609	.07	81.8
18.0	4.2	336.9	75.8	469	100	63.7	18.1	18.0	4.23	610	.07	81.8
19.0	4.2	336.9	75.8	469	100	63.7	18.1	19.0	4.23	611	.07	81.8
20.0	4.2	336.9	75.7	469	100	63.8	18.1	20.0	4.23	612	.07	81.8
21.0	4.2	337.0	75.7	469	100	63.8	18.1	21.0	4.23	613	.07	81.8
22.0	4.2	337.0	75.6	471	100	63.9	18.0	22.0	4.22	614	.07	81.8
23.0	4.2	337.1	75.6	471	100	63.9	18.0	23.0	4.22	614	.07	81.8
24.0	4.2	337.1	75.5	471	100	63.9	18.0	24.0	4.22	615	.07	81.8
25.0	4.2	337.1	75.5	471	100	63.9	18.0	25.0	4.22	616	.07	81.8
26.0	4.2	337.2	75.4	471	100	63.9	17.9	26.0	4.21	617	.07	81.9
27.0	4.2	337.2	75.3	471	100	64.0	17.9	27.0	4.21	618	.07	81.9
28.0	4.2	337.2	75.3	471	100	64.0	17.9	28.0	4.21	619	.07	81.9
29.0	4.2	337.3	75.2	471	100	64.0	17.9	29.0	4.21	620	.07	81.9
30.0	4.2	337.3	75.2	471	100	64.0	17.9	30.0	4.21	620	.07	81.9
31.0	4.2	337.3	75.1	471	100	64.0	17.9	31.0	4.20	621	.07	81.9
32.0	4.2	337.4	75.0	471	100	64.1	17.8	32.0	4.20	622	.07	81.9
33.0	4.2	337.4	75.0	471	100	64.1	17.8	33.0	4.20	623	.07	81.9
34.0	4.2	337.4	74.9	471	100	64.1	17.8	34.0	4.20	624	.07	81.9
35.0	4.2	337.5	74.9	471	100	64.1	17.8	35.0	4.20	625	.07	81.9
36.0	4.2	337.5	74.8	471	100	64.2	17.8	36.0	4.19	626	.07	81.9
37.0	4.2	337.5	74.7	471	100	64.2	17.7	37.0	4.19	626	.07	81.9
38.0	4.2	337.5	74.7	471	100	64.2	17.7	38.0	4.19	627	.07	81.9
39.0	4.2	337.6	74.6	471	100	64.2	17.7	39.0	4.19	628	.07	81.9
40.0	4.2	337.6	74.5	471	100	64.3	17.7	40.0	4.18	629	.07	82.0
41.0	4.2	337.6	74.5	471	100	64.3	17.7	41.0	4.18	630	.07	82.0
42.0	4.2	337.6	74.4	471	100	64.3	17.7	42.0	4.18	631	.07	82.0
43.0	4.2	337.7	74.3	471	100	64.3	17.6	43.0	4.18	632	.07	82.0
44.0	4.2	337.7	74.3	471	100	64.4	17.6	44.0	4.17	632	.07	82.0

FIGURE 8
Channel 6 Interference Study Tabulations

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'Pataphysical Broadcasting Foundation, Inc.

Educational FM/TV Channel 6 Interference area

Interference		----- KSBY Channel 6 -----					----- Proposed Ch. 219 -----					
--- Site ---		C/R	543 m	AAT	Latitude:	35-21-37	C/R	546 m	AAT	Latitude:	35-57-06	
Lat 35-57-06												
Lon 121-00-03		Longitude: 121-00-03										
Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haaat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haaat (m)	ERP (kW)	F.S. (dBu)
45.0	4.2	337.7	74.2	471	100	64.4	17.6	45.0	4.17	633	.07	82.0
46.0	4.2	337.7	74.1	471	100	64.4	17.6	46.0	4.17	632	.07	82.0
47.0	4.2	337.7	74.1	471	100	64.5	17.6	47.0	4.16	630	.07	82.0
48.0	4.2	337.8	74.0	471	100	64.5	17.5	48.0	4.16	629	.07	82.0
49.0	4.2	337.8	73.9	471	100	64.5	17.5	49.0	4.15	628	.07	82.0
50.0	4.2	337.8	73.8	471	100	64.5	17.5	50.0	4.15	626	.07	82.0
51.0	4.1	337.8	73.8	471	100	64.6	17.5	51.0	4.14	625	.07	82.0
52.0	4.1	337.8	73.7	471	100	64.6	17.5	52.0	4.14	624	.07	82.0
53.0	4.1	337.8	73.6	471	100	64.6	17.4	53.0	4.13	622	.07	82.1
54.0	4.1	337.8	73.6	471	100	64.6	17.4	54.0	4.13	621	.07	82.1
55.0	4.1	337.8	73.5	471	100	64.7	17.4	55.0	4.12	620	.07	82.1
56.0	4.1	337.8	73.4	471	100	64.7	17.4	56.0	4.12	618	.07	82.1
57.0	4.1	337.8	73.4	471	100	64.7	17.4	57.0	4.11	617	.07	82.1
58.0	4.1	337.9	73.3	471	100	64.8	17.4	58.0	4.11	615	.07	82.1
59.0	4.1	337.9	73.2	471	100	64.8	17.3	59.0	4.10	614	.07	82.1
60.0	4.1	337.9	73.1	471	100	64.8	17.3	60.0	4.10	613	.07	82.1
61.0	4.1	337.9	73.1	471	100	64.8	17.3	61.0	4.09	611	.07	82.1
62.0	4.1	337.9	73.0	471	100	64.9	17.3	62.0	4.09	610	.07	82.1
63.0	4.1	337.9	72.9	471	100	64.9	17.3	63.0	4.08	609	.07	82.1
64.0	4.1	337.9	72.9	471	100	64.9	17.3	64.0	4.08	607	.07	82.2
65.0	4.1	337.9	72.8	471	100	64.9	17.2	65.0	4.07	606	.07	82.2
66.0	4.1	337.9	72.7	471	100	65.0	17.2	66.0	4.07	604	.07	82.2
67.0	4.1	337.9	72.6	471	100	65.0	17.2	67.0	4.06	603	.07	82.2
68.0	4.1	337.9	72.6	471	100	65.0	17.2	68.0	4.06	602	.07	82.2
69.0	4.1	337.9	72.5	471	100	65.1	17.2	69.0	4.05	600	.07	82.2
70.0	4.1	337.9	72.4	471	100	65.1	17.1	70.0	4.05	599	.07	82.2
71.0	4.0	337.8	72.4	471	100	65.1	17.1	71.0	4.04	598	.07	82.2
72.0	4.0	337.8	72.3	471	100	65.1	17.1	72.0	4.04	596	.07	82.2
73.0	4.0	337.8	72.2	471	100	65.2	17.1	73.0	4.03	595	.07	82.2
74.0	4.0	337.8	72.1	471	100	65.2	17.1	74.0	4.02	593	.07	82.3
75.0	4.0	337.8	72.1	471	100	65.2	17.1	75.0	4.02	592	.07	82.3
76.0	4.0	337.8	72	471	100	65.2	17.0	76.0	4.01	591	.07	82.3
77.0	4.0	337.8	71.9	471	100	65.3	17.0	77.0	4.01	589	.07	82.3
78.0	4.0	337.8	71.9	471	100	65.3	17.0	78.0	4	588	.07	82.3
79.0	4.0	337.8	71.8	471	100	65.3	17.0	79.0	4	587	.07	82.3
80.0	4.0	337.7	71.7	471	100	65.3	17.0	80.0	3.99	585	.07	82.3
81.0	4.0	337.7	71.7	471	100	65.4	17.0	81.0	3.99	584	.07	82.3
82.0	4.0	337.7	71.6	471	100	65.4	17.0	82.0	3.98	582	.07	82.3
83.0	4.0	337.7	71.5	471	100	65.4	16.9	83.0	3.98	581	.07	82.3
84.0	4.0	337.7	71.5	471	100	65.4	16.9	84.0	3.97	580	.07	82.4
85.0	4.0	337.7	71.4	471	100	65.5	16.9	85.0	3.97	578	.07	82.4
86.0	4.0	337.6	71.3	471	100	65.5	16.9	86.0	3.96	577	.07	82.4
87.0	4.0	337.6	71.3	471	100	65.5	16.9	87.0	3.96	576	.07	82.4
88.0	4.0	337.6	71.2	471	100	65.5	16.9	88.0	3.96	574	.07	82.4
89.0	3.9	337.6	71.2	471	100	65.6	16.9	89.0	3.95	573	.07	82.4

FIGURE 8
Channel 6 Interference Study Tabulations

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'Pataphysical Broadcasting Foundation, Inc.

Educational FM/TV Channel 6 Interference area

Interference		----- KSBY Channel 6 -----					----- Proposed Ch. 219 -----					
--- Site ---		C/R 543 m AAT					C/R 546 m AAT					
Lat	35-57-06	Latitude: 35-21-37					Latitude: 35-57-06					
Lon	121-00-03	Longitude: 120-39-17					Longitude: 121-00-03					
Bear.	Dist	Bear.	Dist	Haaat	ERP	F.S.	U/D	Bear.	Dist	Haaat	ERP	F.S.
(deg)	(km)	(deg)	(km)	(m)	(kW)	(dBu)	(dB)	(deg)	(km)	(m)	(kW)	(dBu)
90.0	3.9	337.5	71.1	471	100	65.6	16.8	90.0	3.95	571	.07	82.4
91.0	3.9	337.5	71.0	471	100	65.6	16.8	91.0	3.95	572	.07	82.4
92.0	3.9	337.5	71.0	471	100	65.6	16.8	92.0	3.94	572	.07	82.4
93.0	3.9	337.5	70.9	471	100	65.7	16.8	93.0	3.94	573	.07	82.4
94.0	3.9	337.4	70.9	471	100	65.7	16.8	94.0	3.93	573	.07	82.5
95.0	3.9	337.4	70.8	471	100	65.7	16.8	95.0	3.93	573	.07	82.5
96.0	3.9	337.4	70.7	471	100	65.7	16.8	96.0	3.93	574	.07	82.5
97.0	3.9	337.3	70.7	471	100	65.8	16.8	97.0	3.92	574	.07	82.5
98.0	3.9	337.3	70.6	471	100	65.8	16.7	98.0	3.92	574	.07	82.5
99.0	3.9	337.3	70.6	471	100	65.8	16.7	99.0	3.92	575	.07	82.5
100.0	3.9	337.2	70.5	471	100	65.8	16.7	100.0	3.91	575	.07	82.5
101.0	3.9	337.2	70.5	471	100	65.8	16.7	101.0	3.91	575	.07	82.5
102.0	3.9	337.2	70.4	471	100	65.9	16.7	102.0	3.90	576	.07	82.6
103.0	3.9	337.1	70.4	471	100	65.9	16.7	103.0	3.90	576	.07	82.6
104.0	3.9	337.1	70.3	471	100	65.9	16.7	104.0	3.90	576	.07	82.6
105.0	3.9	337.1	70.2	471	100	65.9	16.7	105.0	3.90	577	.07	82.6
106.0	3.9	337.0	70.2	471	100	65.9	16.6	106.0	3.89	577	.07	82.6
107.0	3.9	337.0	70.1	471	100	66.0	16.6	107.0	3.89	578	.07	82.6
108.0	3.9	337.0	70.1	469	100	65.9	16.7	108.0	3.89	578	.07	82.6
109.0	3.9	336.9	70.0	469	100	65.9	16.6	109.0	3.89	578	.07	82.6
110.0	3.9	336.9	70.0	469	100	66.0	16.6	110.0	3.89	579	.07	82.6
111.0	3.9	336.9	70.0	469	100	66.0	16.6	111.0	3.88	579	.07	82.6
112.0	3.9	336.8	69.9	469	100	66.0	16.6	112.0	3.88	579	.07	82.6
113.0	3.9	336.8	69.9	469	100	66.0	16.6	113.0	3.88	580	.07	82.6
114.0	3.9	336.7	69.8	469	100	66.0	16.6	114.0	3.88	580	.07	82.6
115.0	3.9	336.7	69.8	469	100	66.1	16.6	115.0	3.87	580	.07	82.6
116.0	3.9	336.6	69.7	469	100	66.1	16.6	116.0	3.87	581	.07	82.6
117.0	3.9	336.6	69.7	469	100	66.1	16.6	117.0	3.87	581	.07	82.6
118.0	3.9	336.6	69.6	469	100	66.1	16.6	118.0	3.87	581	.07	82.6
119.0	3.9	336.5	69.6	469	100	66.1	16.6	119.0	3.86	582	.07	82.7
120.0	3.9	336.5	69.6	469	100	66.1	16.5	120.0	3.86	582	.07	82.7
121.0	3.9	336.4	69.5	469	100	66.1	16.5	121.0	3.86	583	.07	82.7
122.0	3.9	336.4	69.5	469	100	66.2	16.5	122.0	3.86	583	.07	82.7
123.0	3.8	336.3	69.5	469	100	66.2	16.5	123.0	3.85	583	.07	82.7
124.0	3.8	336.3	69.4	469	100	66.2	16.5	124.0	3.85	584	.07	82.7
125.0	3.8	336.2	69.4	469	100	66.2	16.5	125.0	3.85	584	.07	82.7
126.0	3.8	336.2	69.4	469	100	66.2	16.5	126.0	3.85	584	.07	82.7
127.0	3.8	336.1	69.3	469	100	66.2	16.5	127.0	3.84	585	.07	82.7
128.0	3.8	336.1	69.3	469	100	66.2	16.5	128.0	3.84	585	.07	82.7
129.0	3.8	336.0	69.3	469	100	66.2	16.5	129.0	3.84	585	.07	82.7
130.0	3.8	336.0	69.2	467	100	66.2	16.5	130.0	3.85	586	.07	82.7
131.0	3.8	335.9	69.2	467	100	66.2	16.5	131.0	3.85	586	.07	82.7
132.0	3.8	335.9	69.2	467	100	66.2	16.5	132.0	3.85	586	.07	82.7
133.0	3.8	335.8	69.2	467	100	66.2	16.5	133.0	3.84	587	.07	82.7
134.0	3.8	335.8	69.1	467	100	66.3	16.5	134.0	3.84	587	.07	82.7

FIGURE 8
Channel 6 Interference Study Tabulations

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'Pataphysical Broadcasting Foundation, Inc.

Educational FM/TV Channel 6 Interference area

Interference		----- KSBY Channel 6 -----					----- Proposed Ch. 219 -----					
--- Site ---		C/R 543 m AAT			Latitude: 35-21-37		C/R 546 m AAT			Latitude: 35-57-06		
Lat 35-57-06					Longitude: 120-39-17					Longitude: 121-00-03		
Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	HaaT (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	HaaT (m)	ERP (kW)	F.S. (dBu)
135.0	3.8	335.7	69.1	467	100	66.3	16.5	135.0	3.84	587	.07	82.7
136.0	3.8	335.7	69.1	467	100	66.3	16.5	136.0	3.84	587	.07	82.7
137.0	3.8	335.6	69.1	467	100	66.3	16.5	137.0	3.84	587	.07	82.7
138.0	3.8	335.6	69.0	467	100	66.3	16.5	138.0	3.84	587	.07	82.7
139.0	3.8	335.5	69.0	467	100	66.3	16.5	139.0	3.83	586	.07	82.7
140.0	3.8	335.5	69.0	467	100	66.3	16.5	140.0	3.83	586	.07	82.7
141.0	3.8	335.4	69	467	100	66.3	16.5	141.0	3.83	586	.07	82.7
142.0	3.8	335.4	69.0	467	100	66.3	16.5	142.0	3.83	585	.07	82.7
143.0	3.8	335.3	69.0	467	100	66.3	16.4	143.0	3.83	585	.07	82.7
144.0	3.8	335.2	69.0	467	100	66.3	16.4	144.0	3.83	585	.07	82.7
145.0	3.8	335.2	69.0	467	100	66.3	16.4	145.0	3.83	584	.07	82.7
146.0	3.8	335.1	68.9	467	100	66.3	16.4	146.0	3.83	584	.07	82.7
147.0	3.8	335.1	68.9	467	100	66.3	16.4	147.0	3.82	584	.07	82.8
148.0	3.8	335.0	68.9	467	100	66.3	16.4	148.0	3.82	583	.07	82.8
149.0	3.8	335.0	68.9	465	100	66.3	16.5	149.0	3.83	583	.07	82.7
150.0	3.8	334.9	68.9	465	100	66.3	16.5	150.0	3.83	583	.07	82.7
151.0	3.8	334.9	68.9	465	100	66.3	16.5	151.0	3.83	582	.07	82.7
152.0	3.8	334.8	68.9	465	100	66.3	16.5	152.0	3.83	582	.07	82.7
153.0	3.8	334.8	68.9	465	100	66.3	16.5	153.0	3.83	582	.07	82.7
154.0	3.8	334.7	68.9	465	100	66.3	16.5	154.0	3.83	581	.07	82.7
155.0	3.8	334.6	68.9	465	100	66.3	16.5	155.0	3.83	581	.07	82.7
156.0	3.8	334.6	68.9	465	100	66.3	16.5	156.0	3.83	581	.07	82.7
157.0	3.8	334.5	68.9	465	100	66.3	16.5	157.0	3.83	580	.07	82.7
158.0	3.8	334.5	68.9	465	100	66.3	16.5	158.0	3.83	580	.07	82.7
159.0	3.8	334.4	68.9	465	100	66.3	16.5	159.0	3.83	580	.07	82.7
160.0	3.8	334.4	68.9	465	100	66.3	16.5	160.0	3.83	579	.07	82.7
161.0	3.8	334.3	68.9	465	100	66.3	16.5	161.0	3.83	579	.07	82.7
162.0	3.8	334.3	68.9	465	100	66.3	16.5	162.0	3.83	579	.07	82.7
163.0	3.8	334.2	68.9	465	100	66.3	16.5	163.0	3.83	578	.07	82.7
164.0	3.8	334.1	69.0	465	100	66.3	16.5	164.0	3.83	578	.07	82.7
165.0	3.8	334.1	69.0	465	100	66.3	16.5	165.0	3.83	578	.07	82.7
166.0	3.8	334.0	69.0	465	100	66.3	16.5	166.0	3.83	577	.07	82.7
167.0	3.8	334.0	69.0	463	100	66.2	16.5	167.0	3.84	577	.07	82.7
168.0	3.8	333.9	69	463	100	66.2	16.5	168.0	3.84	577	.07	82.7
169.0	3.8	333.9	69.0	463	100	66.2	16.5	169.0	3.84	576	.07	82.7
170.0	3.8	333.8	69.0	463	100	66.2	16.5	170.0	3.85	576	.07	82.7
171.0	3.8	333.8	69.0	463	100	66.2	16.5	171.0	3.85	576	.07	82.7
172.0	3.8	333.7	69.1	463	100	66.2	16.5	172.0	3.85	575	.07	82.7
173.0	3.8	333.7	69.1	463	100	66.2	16.5	173.0	3.85	575	.07	82.7
174.0	3.8	333.6	69.1	463	100	66.2	16.5	174.0	3.85	575	.07	82.7
175.0	3.8	333.6	69.1	463	100	66.1	16.5	175.0	3.85	574	.07	82.7
176.0	3.8	333.5	69.2	463	100	66.1	16.5	176.0	3.85	574	.07	82.7
177.0	3.9	333.4	69.2	463	100	66.1	16.5	177.0	3.86	574	.07	82.6
178.0	3.9	333.4	69.2	463	100	66.1	16.6	178.0	3.86	574	.07	82.6
179.0	3.9	333.3	69.2	463	100	66.1	16.6	179.0	3.86	573	.07	82.6

FIGURE 8
Channel 6 Interference Study Tabulations

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'Pataphysical Broadcasting Foundation, Inc.

Educational FM/TV Channel 6 Interference area

Interference		----- KSBY Channel 6 -----					----- Proposed Ch. 219 -----					
--- Site ---		C/R 543 m AAT			Latitude: 35-21-37		C/R 546 m AAT			Latitude: 35-57-06		
					Longitude: 120-39-17					Longitude: 121-00-03		
Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haaat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haaat (m)	ERP (kW)	F.S. (dBu)
180.0	3.9	333.3	69.3	463	100	66.1	16.6	180.0	3.86	573	.07	82.6
181.0	3.9	333.2	69.3	463	100	66.1	16.6	181.0	3.86	572	.07	82.6
182.0	3.9	333.2	69.3	463	100	66.1	16.6	182.0	3.86	571	.07	82.6
183.0	3.9	333.1	69.4	463	100	66.1	16.6	183.0	3.87	571	.07	82.6
184.0	3.9	333.1	69.4	463	100	66.0	16.6	184.0	3.87	570	.07	82.6
185.0	3.9	333.1	69.4	463	100	66.0	16.6	185.0	3.87	569	.07	82.6
186.0	3.9	333.0	69.5	463	100	66.0	16.6	186.0	3.87	569	.07	82.6
187.0	3.9	333.0	69.5	461	100	66.0	16.6	187.0	3.88	568	.07	82.6
188.0	3.9	332.9	69.5	461	100	65.9	16.6	188.0	3.88	567	.07	82.6
189.0	3.9	332.9	69.6	461	100	65.9	16.7	189.0	3.89	567	.07	82.6
190.0	3.9	332.8	69.6	461	100	65.9	16.7	190.0	3.89	566	.07	82.6
191.0	3.9	332.8	69.6	461	100	65.9	16.7	191.0	3.89	565	.07	82.6
192.0	3.9	332.7	69.7	461	100	65.9	16.7	192.0	3.89	565	.07	82.6
193.0	3.9	332.7	69.7	461	100	65.9	16.7	193.0	3.90	564	.07	82.5
194.0	3.9	332.6	69.8	461	100	65.8	16.7	194.0	3.90	563	.07	82.5
195.0	3.9	332.6	69.8	461	100	65.8	16.7	195.0	3.90	563	.07	82.5
196.0	3.9	332.6	69.9	461	100	65.8	16.7	196.0	3.90	562	.07	82.5
197.0	3.9	332.5	69.9	461	100	65.8	16.7	197.0	3.91	561	.07	82.5
198.0	3.9	332.5	70.0	461	100	65.8	16.7	198.0	3.91	561	.07	82.5
199.0	3.9	332.4	70	461	100	65.8	16.8	199.0	3.91	560	.07	82.5
200.0	3.9	332.4	70.1	461	100	65.7	16.8	200.0	3.91	559	.07	82.5
201.0	3.9	332.3	70.1	461	100	65.7	16.8	201.0	3.92	559	.07	82.5
202.0	3.9	332.3	70.1	461	100	65.7	16.8	202.0	3.92	558	.07	82.5
203.0	3.9	332.3	70.2	461	100	65.7	16.8	203.0	3.92	557	.07	82.5
204.0	3.9	332.2	70.3	461	100	65.7	16.8	204.0	3.93	557	.07	82.4
205.0	3.9	332.2	70.3	461	100	65.6	16.8	205.0	3.93	556	.07	82.4
206.0	3.9	332.2	70.4	461	100	65.6	16.8	206.0	3.93	555	.07	82.4
207.0	3.9	332.1	70.4	461	100	65.6	16.8	207.0	3.93	554	.07	82.4
208.0	3.9	332.1	70.5	461	100	65.6	16.9	208.0	3.94	554	.07	82.4
209.0	3.9	332.1	70.5	461	100	65.6	16.9	209.0	3.94	553	.07	82.4
210.0	3.9	332.0	70.6	461	100	65.5	16.9	210.0	3.94	552	.07	82.4
211.0	3.9	332.0	70.6	461	100	65.5	16.9	211.0	3.95	552	.07	82.4
212.0	4.0	332.0	70.7	460	100	65.4	16.9	212.0	3.96	551	.07	82.4
213.0	4.0	331.9	70.7	460	100	65.4	16.9	213.0	3.96	550	.07	82.4
214.0	4.0	331.9	70.8	460	100	65.4	17.0	214.0	3.96	550	.07	82.3
215.0	4.0	331.9	70.9	460	100	65.4	17.0	215.0	3.96	549	.07	82.3
216.0	4.0	331.9	70.9	460	100	65.3	17.0	216.0	3.96	548	.07	82.3
217.0	4.0	331.8	71.0	460	100	65.3	17.0	217.0	3.97	548	.07	82.3
218.0	4.0	331.8	71.1	460	100	65.3	17.0	218.0	3.97	547	.07	82.3
219.0	4.0	331.8	71.1	460	100	65.3	17.0	219.0	3.97	546	.07	82.3
220.0	4.0	331.8	71.2	460	100	65.2	17.0	220.0	3.98	546	.07	82.3
221.0	4.0	331.7	71.2	460	100	65.2	17.1	221.0	3.98	545	.07	82.3
222.0	4.0	331.7	71.3	460	100	65.2	17.1	222.0	3.98	544	.07	82.3
223.0	4.0	331.7	71.4	460	100	65.2	17.1	223.0	3.99	544	.07	82.2
224.0	4.0	331.7	71.4	460	100	65.1	17.1	224.0	3.99	543	.07	82.2

FIGURE 8
Channel 6 Interference Study Tabulations

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'Pataphysical Broadcasting Foundation, Inc.

Educational FM/TV Channel 6 Interference area

— Interference
 --- Site ---
 Lat 35-57-06
 — Lon 121-00-03

----- KSBY Channel 6 -----
 C/R 543 m AAT
 Latitude: 35-21-37
 Longitude: 120-39-17

----- Proposed Ch. 219 -----
 C/R 546 m AAT
 Latitude: 35-57-06
 Longitude: 121-00-03

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	HaaT (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	HaaT (m)	ERP (kW)	F.S. (dBu)
225.0	4.0	331.7	71.5	460	100	65.1	17.1	225.0	3.99	542	.07	82.2
226.0	4.0	331.6	71.6	460	100	65.1	17.1	226.0	4	543	.07	82.2
227.0	4.0	331.6	71.6	460	100	65.1	17.2	227.0	4	543	.07	82.2
228.0	4.0	331.6	71.7	460	100	65.0	17.2	228.0	4.01	544	.07	82.2
229.0	4.0	331.6	71.8	460	100	65.0	17.2	229.0	4.01	545	.07	82.2
230.0	4.0	331.6	71.8	460	100	65.0	17.2	230.0	4.02	545	.07	82.2
231.0	4.0	331.6	71.9	460	100	65.0	17.2	231.0	4.02	546	.07	82.2
232.0	4.0	331.5	72.0	460	100	64.9	17.2	232.0	4.02	546	.07	82.2
233.0	4.0	331.5	72.0	460	100	64.9	17.3	233.0	4.03	547	.07	82.2
234.0	4.0	331.5	72.1	460	100	64.9	17.3	234.0	4.03	547	.07	82.2
235.0	4.0	331.5	72.2	460	100	64.9	17.3	235.0	4.04	548	.07	82.1
236.0	4.0	331.5	72.2	460	100	64.8	17.3	236.0	4.04	549	.07	82.1
237.0	4.1	331.5	72.3	460	100	64.8	17.3	237.0	4.05	549	.07	82.1
238.0	4.1	331.5	72.4	460	100	64.8	17.3	238.0	4.05	550	.07	82.1
239.0	4.1	331.5	72.5	460	100	64.8	17.4	239.0	4.05	550	.07	82.1
240.0	4.1	331.5	72.5	460	100	64.7	17.4	240.0	4.06	551	.07	82.1
241.0	4.1	331.5	72.6	460	100	64.7	17.4	241.0	4.06	552	.07	82.1
242.0	4.1	331.5	72.7	460	100	64.7	17.4	242.0	4.07	552	.07	82.1
243.0	4.1	331.5	72.7	460	100	64.6	17.4	243.0	4.07	553	.07	82.1
244.0	4.1	331.5	72.8	460	100	64.6	17.5	244.0	4.08	553	.07	82.0
245.0	4.1	331.5	72.9	460	100	64.6	17.5	245.0	4.08	554	.07	82.0
246.0	4.1	331.5	73.0	460	100	64.6	17.5	246.0	4.08	554	.07	82.0
247.0	4.1	331.5	73.0	460	100	64.5	17.5	247.0	4.09	555	.07	82.0
248.0	4.1	331.5	73.1	460	100	64.5	17.5	248.0	4.09	556	.07	82.0
249.0	4.1	331.5	73.2	460	100	64.5	17.5	249.0	4.10	556	.07	82.0
250.0	4.1	331.5	73.2	460	100	64.4	17.6	250.0	4.10	557	.07	82.0
251.0	4.1	331.5	73.3	460	100	64.4	17.6	251.0	4.10	557	.07	82.0
252.0	4.1	331.5	73.4	460	100	64.4	17.6	252.0	4.11	558	.07	82.0
253.0	4.1	331.5	73.5	460	100	64.4	17.6	253.0	4.11	559	.07	82.0
254.0	4.1	331.5	73.5	460	100	64.3	17.6	254.0	4.12	559	.07	82.0
255.0	4.1	331.5	73.6	460	100	64.3	17.7	255.0	4.12	560	.07	82.0
256.0	4.1	331.5	73.7	460	100	64.3	17.7	256.0	4.12	560	.07	82.0
257.0	4.1	331.5	73.7	460	100	64.3	17.7	257.0	4.13	561	.07	81.9
258.0	4.1	331.6	73.8	460	100	64.2	17.7	258.0	4.13	561	.07	81.9
259.0	4.1	331.6	73.9	460	100	64.2	17.7	259.0	4.14	562	.07	81.9
260.0	4.1	331.6	73.9	460	100	64.2	17.8	260.0	4.14	563	.07	81.9
261.0	4.1	331.6	74.0	460	100	64.1	17.8	261.0	4.14	563	.07	81.9
262.0	4.2	331.6	74.1	460	100	64.1	17.8	262.0	4.15	564	.07	81.9
263.0	4.2	331.6	74.2	460	100	64.1	17.8	263.0	4.15	564	.07	81.9
264.0	4.2	331.7	74.2	460	100	64.1	17.8	264.0	4.15	565	.07	81.9
265.0	4.2	331.7	74.3	460	100	64.0	17.9	265.0	4.16	566	.07	81.9
266.0	4.2	331.7	74.4	460	100	64.0	17.9	266.0	4.16	566	.07	81.9
267.0	4.2	331.7	74.4	460	100	64.0	17.9	267.0	4.16	567	.07	81.9
268.0	4.2	331.7	74.5	460	100	64.0	17.9	268.0	4.17	567	.07	81.9
269.0	4.2	331.8	74.6	460	100	63.9	17.9	269.0	4.17	568	.07	81.9

FIGURE 8
Channel 6 Interference Study Tabulations

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'Pataphysical Broadcasting Foundation, Inc.

Educational FM/TV Channel 6 Interference area

Interference

--- Site ---

Lat 35-57-06

Lon 121-00-03

----- KSBY Channel 6 -----

C/R 543 m AAT

Latitude: 35-21-37

Longitude: 120-39-17

----- Proposed Ch. 219 -----

C/R 546 m AAT

Latitude: 35-57-06

Longitude: 121-00-03

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	HaaT (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	HaaT (m)	ERP (kW)	F.S. (dBu)
270.0	4.2	331.8	74.6	460	100	63.9	18.0	270.0	4.17	568	.07	81.9
271.0	4.2	331.8	74.7	460	100	63.9	18.0	271.0	4.17	562	.07	81.9
272.0	4.2	331.8	74.7	460	100	63.9	18.0	272.0	4.17	556	.07	81.8
273.0	4.2	331.9	74.8	460	100	63.8	18.0	273.0	4.16	550	.07	81.8
274.0	4.2	331.9	74.9	460	100	63.8	18.0	274.0	4.16	544	.07	81.8
275.0	4.2	331.9	74.9	460	100	63.8	18.0	275.0	4.16	538	.07	81.8
276.0	4.2	332.0	75.0	460	100	63.8	18.1	276.0	4.15	532	.07	81.8
277.0	4.2	332.0	75.0	460	100	63.7	18.1	277.0	4.15	526	.07	81.8
278.0	4.2	332.0	75.1	461	100	63.8	18.1	278.0	4.15	520	.07	81.8
279.0	4.1	332.1	75.2	461	100	63.8	18.1	279.0	4.14	514	.07	81.8
280.0	4.1	332.1	75.2	461	100	63.7	18.1	280.0	4.14	508	.07	81.8
281.0	4.1	332.1	75.3	461	100	63.7	18.1	281.0	4.14	502	.07	81.8
282.0	4.1	332.2	75.3	461	100	63.7	18.1	282.0	4.14	495	.07	81.8
283.0	4.1	332.2	75.4	461	100	63.7	18.1	283.0	4.14	489	.07	81.8
284.0	4.1	332.2	75.4	461	100	63.7	18.2	284.0	4.14	483	.07	81.8
285.0	4.1	332.3	75.5	461	100	63.6	18.2	285.0	4.14	477	.07	81.8
286.0	4.1	332.3	75.5	461	100	63.6	18.2	286.0	4.14	471	.07	81.8
287.0	4.1	332.4	75.6	461	100	63.6	18.2	287.0	4.14	465	.07	81.8
288.0	4.1	332.4	75.6	461	100	63.6	18.2	288.0	4.14	459	.07	81.8
289.0	4.1	332.4	75.7	461	100	63.6	18.2	289.0	4.13	453	.07	81.8
290.0	4.1	332.5	75.7	461	100	63.5	18.2	290.0	4.13	447	.07	81.8
291.0	4.1	332.5	75.8	461	100	63.5	18.3	291.0	4.12	441	.07	81.8
292.0	4.1	332.6	75.8	461	100	63.5	18.3	292.0	4.10	435	.07	81.8
293.0	4.1	332.6	75.8	461	100	63.5	18.3	293.0	4.09	429	.07	81.8
294.0	4.1	332.7	75.9	461	100	63.5	18.3	294.0	4.07	422	.07	81.8
295.0	4.1	332.7	75.9	461	100	63.5	18.3	295.0	4.06	416	.07	81.8
296.0	4.0	332.8	75.9	461	100	63.5	18.3	296.0	4.04	410	.07	81.8
297.0	4.0	332.8	76.0	461	100	63.4	18.3	297.0	4.02	404	.07	81.8
298.0	4.0	332.9	76.0	461	100	63.4	18.3	298.0	4	398	.07	81.8
299.0	4.0	332.9	76	461	100	63.4	18.3	299.0	3.98	392	.07	81.8
300.0	4.0	333.0	76.0	461	100	63.4	18.3	300.0	3.97	386	.07	81.7
301.0	3.9	333.0	76.0	463	100	63.5	18.3	301.0	3.95	380	.07	81.8
302.0	3.9	333.1	76.1	463	100	63.5	18.3	302.0	3.94	374	.07	81.7
303.0	3.9	333.1	76.1	463	100	63.4	18.3	303.0	3.92	368	.07	81.8
304.0	3.9	333.2	76.1	463	100	63.4	18.3	304.0	3.90	362	.07	81.8
305.0	3.9	333.2	76.1	463	100	63.4	18.3	305.0	3.88	356	.07	81.8
306.0	3.9	333.3	76.1	463	100	63.4	18.3	306.0	3.86	349	.07	81.8
307.0	3.8	333.3	76.1	463	100	63.4	18.3	307.0	3.84	343	.07	81.7
308.0	3.8	333.4	76.2	463	100	63.4	18.3	308.0	3.82	337	.07	81.7
309.0	3.8	333.4	76.2	463	100	63.4	18.3	309.0	3.80	331	.07	81.7
310.0	3.8	333.5	76.2	463	100	63.4	18.3	310.0	3.78	325	.07	81.7
311.0	3.8	333.5	76.2	463	100	63.4	18.4	311.0	3.76	319	.07	81.7
312.0	3.7	333.6	76.2	463	100	63.4	18.4	312.0	3.74	313	.07	81.7
313.0	3.7	333.6	76.2	463	100	63.4	18.4	313.0	3.72	307	.07	81.7
314.0	3.7	333.7	76.2	463	100	63.4	18.4	314.0	3.70	301	.07	81.8

FIGURE 8
Channel 6 Interference Study Tabulations
'Pataphysical Broadcasting Foundation, Inc.

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Educational FM/TV Channel 6 Interference area

----- KSBY Channel 6 -----

----- Proposed Ch. 219 -----

Interference

--- Site ---

- Lat 35-57-06

- Lon 121-00-03

C/R 543 m AAT

Latitude: 35-21-37

Longitude: 120-39-17

C/R 546 m AAT

Latitude: 35-57-06

Longitude: 121-00-03

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haaat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haaat (m)	ERP (kW)	F.S. (dBu)
315.0	3.7	333.7	76.2	463	100	63.4	18.4	315.0	3.68	295	.07	81.8
316.0	3.7	333.8	76.2	463	100	63.4	18.4	316.0	3.70	301	.07	81.8
317.0	3.7	333.8	76.3	463	100	63.4	18.4	317.0	3.73	308	.07	81.7
318.0	3.8	333.9	76.3	463	100	63.4	18.4	318.0	3.75	315	.07	81.7
319.0	3.8	333.9	76.4	463	100	63.3	18.4	319.0	3.77	321	.07	81.7
320.0	3.8	334.0	76.4	463	100	63.3	18.4	320.0	3.79	328	.07	81.7
321.0	3.8	334.0	76.4	465	100	63.4	18.4	321.0	3.81	335	.07	81.8
322.0	3.8	334.0	76.5	465	100	63.4	18.4	322.0	3.84	341	.07	81.7
323.0	3.9	334.1	76.5	465	100	63.3	18.4	323.0	3.86	348	.07	81.7
324.0	3.9	334.1	76.5	465	100	63.3	18.4	324.0	3.88	355	.07	81.7
325.0	3.9	334.2	76.6	465	100	63.3	18.4	325.0	3.91	361	.07	81.7
326.0	3.9	334.2	76.6	465	100	63.3	18.4	326.0	3.93	368	.07	81.7
327.0	3.9	334.3	76.6	465	100	63.3	18.5	327.0	3.95	375	.07	81.7
328.0	4.0	334.3	76.7	465	100	63.3	18.5	328.0	3.96	381	.07	81.7
329.0	4.0	334.4	76.7	465	100	63.3	18.5	329.0	3.98	388	.07	81.7
330.0	4.0	334.4	76.7	465	100	63.3	18.5	330.0	4	395	.07	81.7
331.0	4.0	334.5	76.7	465	100	63.3	18.5	331.0	4.02	401	.07	81.7
332.0	4.1	334.5	76.8	465	100	63.2	18.5	332.0	4.05	408	.07	81.7
333.0	4.1	334.6	76.8	465	100	63.2	18.5	333.0	4.07	415	.07	81.7
334.0	4.1	334.6	76.8	465	100	63.2	18.5	334.0	4.09	421	.07	81.7
335.0	4.1	334.7	76.8	465	100	63.2	18.5	335.0	4.11	428	.07	81.7
336.0	4.1	334.8	76.8	465	100	63.2	18.5	336.0	4.13	435	.07	81.7
337.0	4.1	334.8	76.9	465	100	63.2	18.5	337.0	4.14	441	.07	81.7
338.0	4.2	334.9	76.9	465	100	63.2	18.5	338.0	4.15	448	.07	81.7
339.0	4.2	334.9	76.9	465	100	63.2	18.5	339.0	4.16	455	.07	81.7
340.0	4.2	335.0	76.9	465	100	63.2	18.5	340.0	4.16	461	.07	81.7
341.0	4.2	335.0	76.8	467	100	63.3	18.5	341.0	4.16	468	.07	81.7
342.0	4.2	335.1	76.8	467	100	63.3	18.5	342.0	4.17	475	.07	81.7
343.0	4.2	335.1	76.8	467	100	63.3	18.5	343.0	4.17	482	.07	81.7
344.0	4.2	335.2	76.8	467	100	63.3	18.5	344.0	4.17	488	.07	81.7
345.0	4.2	335.2	76.8	467	100	63.3	18.5	345.0	4.18	495	.07	81.7
346.0	4.2	335.3	76.8	467	100	63.3	18.5	346.0	4.18	502	.07	81.7
347.0	4.2	335.3	76.8	467	100	63.3	18.5	347.0	4.18	508	.07	81.7
348.0	4.2	335.4	76.8	467	100	63.3	18.5	348.0	4.18	515	.07	81.7
349.0	4.2	335.5	76.8	467	100	63.3	18.5	349.0	4.19	522	.07	81.7
350.0	4.2	335.5	76.8	467	100	63.3	18.4	350.0	4.19	528	.07	81.7
351.0	4.2	335.6	76.7	467	100	63.3	18.4	351.0	4.20	535	.07	81.7
352.0	4.2	335.6	76.7	467	100	63.3	18.4	352.0	4.20	542	.07	81.7
353.0	4.2	335.7	76.7	467	100	63.3	18.4	353.0	4.21	548	.07	81.7
354.0	4.2	335.7	76.7	467	100	63.3	18.4	354.0	4.21	555	.07	81.7
355.0	4.2	335.8	76.7	467	100	63.3	18.4	355.0	4.22	562	.07	81.7
356.0	4.2	335.8	76.6	467	100	63.3	18.4	356.0	4.22	568	.07	81.7
357.0	4.2	335.9	76.6	467	100	63.3	18.4	357.0	4.23	575	.07	81.7
358.0	4.2	335.9	76.6	467	100	63.4	18.4	358.0	4.23	582	.07	81.8
359.0	4.2	336.0	76.6	467	100	63.4	18.4	359.0	4.24	588	.07	81.7

Total interference area: 50.5842 sq km (19.5307 sq mi)

FIGURE 8
'Pataphysical Broadcasting Foundation, Inc.
Population Within Ch. 6 Interference Area
1990 Census Data

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March 10, 1994

Latitude: 35-57-06
Longitude: 121-00-03

#1
Area of
Interference

bear. Dist.
(deg) (km)

.0	4.2
5.0	4.2
10.0	4.2
15.0	4.2
20.0	4.2
25.0	4.2
30.0	4.2
35.0	4.2
40.0	4.2
45.0	4.2
50.0	4.2
55.0	4.1
60.0	4.1
65.0	4.1
70.0	4.1
75.0	4.0
80.0	4.0
85.0	4.0
90.0	3.9
95.0	3.9
100.0	3.9
105.0	3.9
110.0	3.9
115.0	3.9
120.0	3.9
125.0	3.8
130.0	3.8
135.0	3.8
140.0	3.8
145.0	3.8
150.0	3.8
155.0	3.8
160.0	3.8
165.0	3.8
170.0	3.8
175.0	3.8
180.0	3.9
185.0	3.9
190.0	3.9
195.0	3.9
200.0	3.9
205.0	3.9
210.0	3.9
215.0	4.0
220.0	4.0
225.0	4.0
230.0	4.0

235.0	4.0
240.0	4.1
245.0	4.1
250.0	4.1
255.0	4.1
260.0	4.1
265.0	4.2
270.0	4.2
275.0	4.2
280.0	4.1
285.0	4.1
290.0	4.1
295.0	4.1
300.0	4.0
305.0	3.9
310.0	3.8
315.0	3.7
320.0	3.8
325.0	3.9
330.0	4.0
335.0	4.1
340.0	4.2
345.0	4.2
350.0	4.2
355.0	4.2

Listing frequency: Totals for each minor civil division.

**1990 Census data totals will be included.
Ethnic detail will be included.**